



## Boia de nível magnética 207KS

A Bóia de Nível Magnética 207KS montada com dobradiça mecânica é ideal para uso em aplicações que requerem monitoramento confiável em fluxos volumosos. Está disponível em duas opções de montagem diferentes, portanto é mais flexível e se adapta a vários tipos de uso, como por exemplo o monitoramento de nível em recipientes de tratamento de água, equipamentos móbil, controle de processos industriais e construção civil. A Bóia de Nível pode ser montada com borracha de compressão, o que permite que seja instalada também do lado de fora. Rotacionando o sensor é possível reverter o sentido de acionamento do sensor, se tornando uma solução altamente flexível e econômica.

### Especificação Técnica

- Sensor de nível baseado em sensores magnéticos (reed)
- Dobradiça mecânica para aplicação em elevado fluxo de líquidos
- Material: PP ou PA12
- Montagem: rosca NPT ou borracha de compressão
- Conexões disponíveis: tomada, conector M12 e cabo pigtail
- Tipo de contato: NA, NF ou changeover
- Temperatura de trabalho de -25 °C até +105 °C
- Tensão máx. 250V
- Classe de proteção IP67

Desenho técnico

IMAGE 1/12

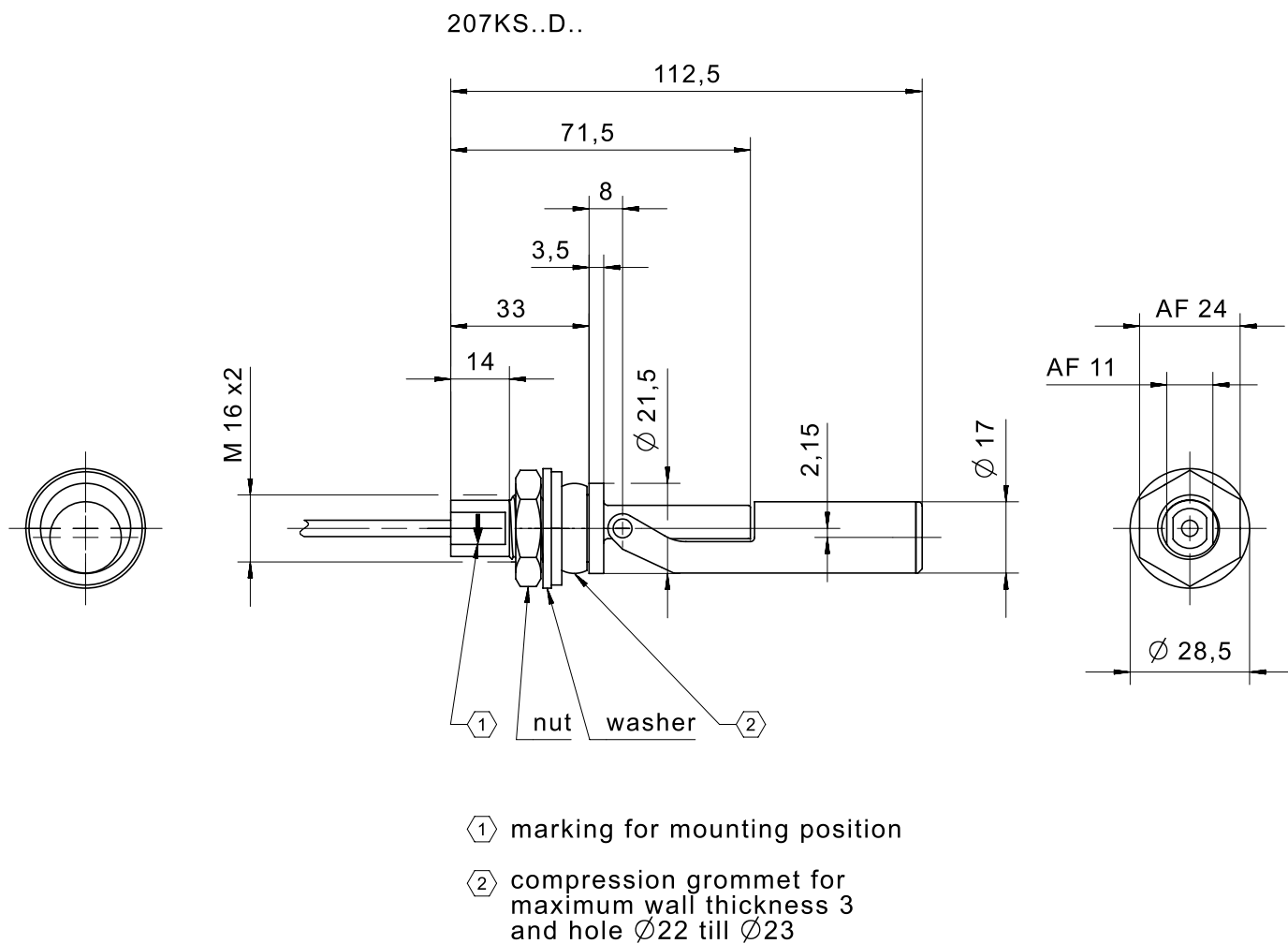


IMAGE 2/12

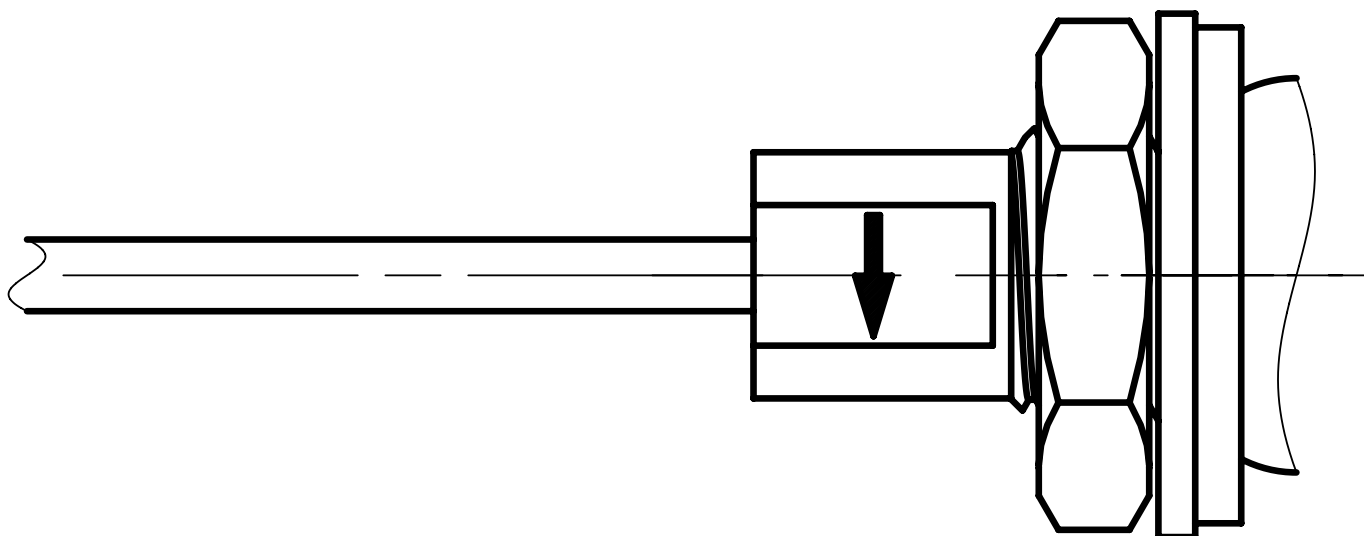
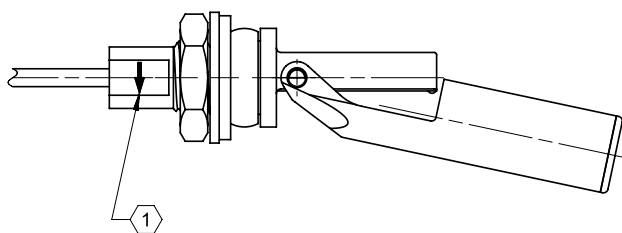


IMAGE 3/12

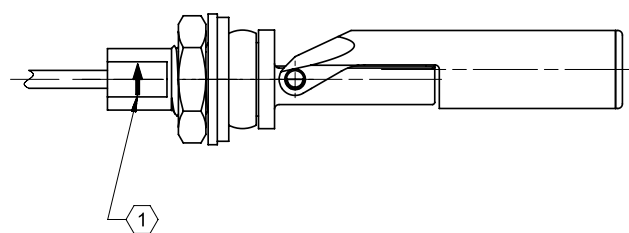


207KS0.D.....  
207KS1.D.....

BN ————— WH

207KS2.D.....

BN ————— GN  
BN ————— WH



207KS0.D.....  
207KS1.D.....

BN ————— WH

207KS2.D.....

BN ————— GN  
BN ————— WH

IMAGE 4/12

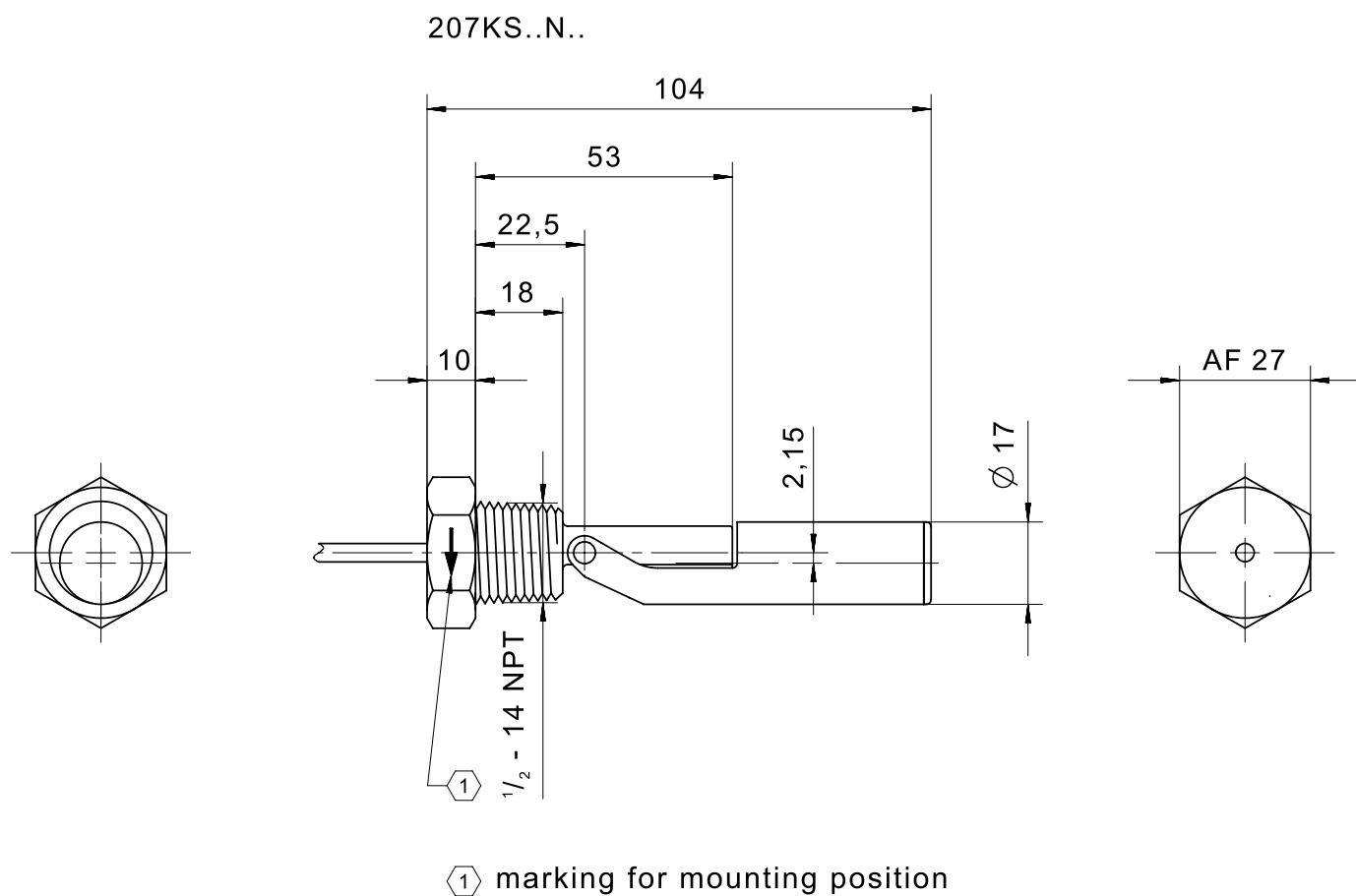
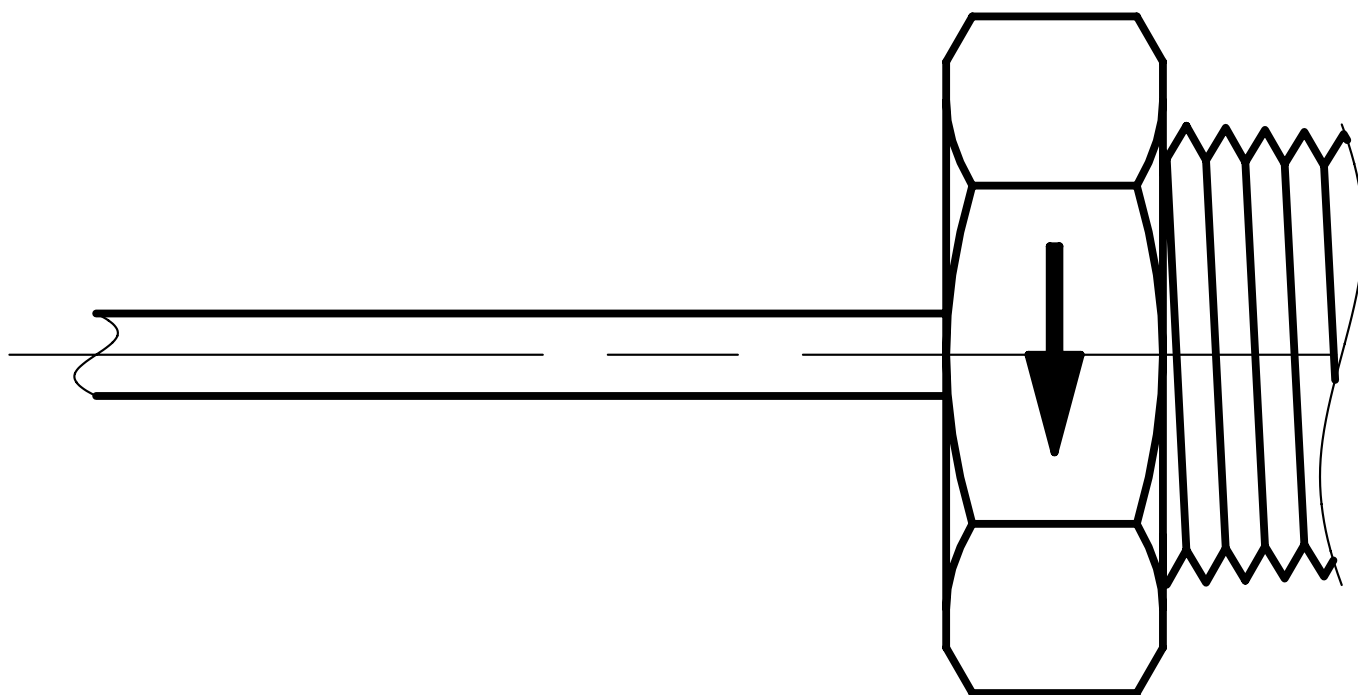
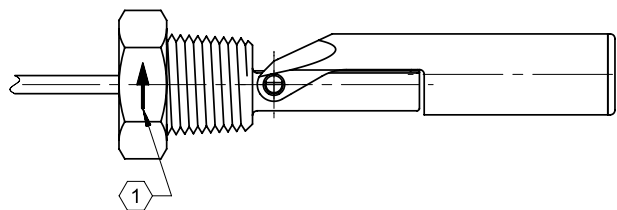
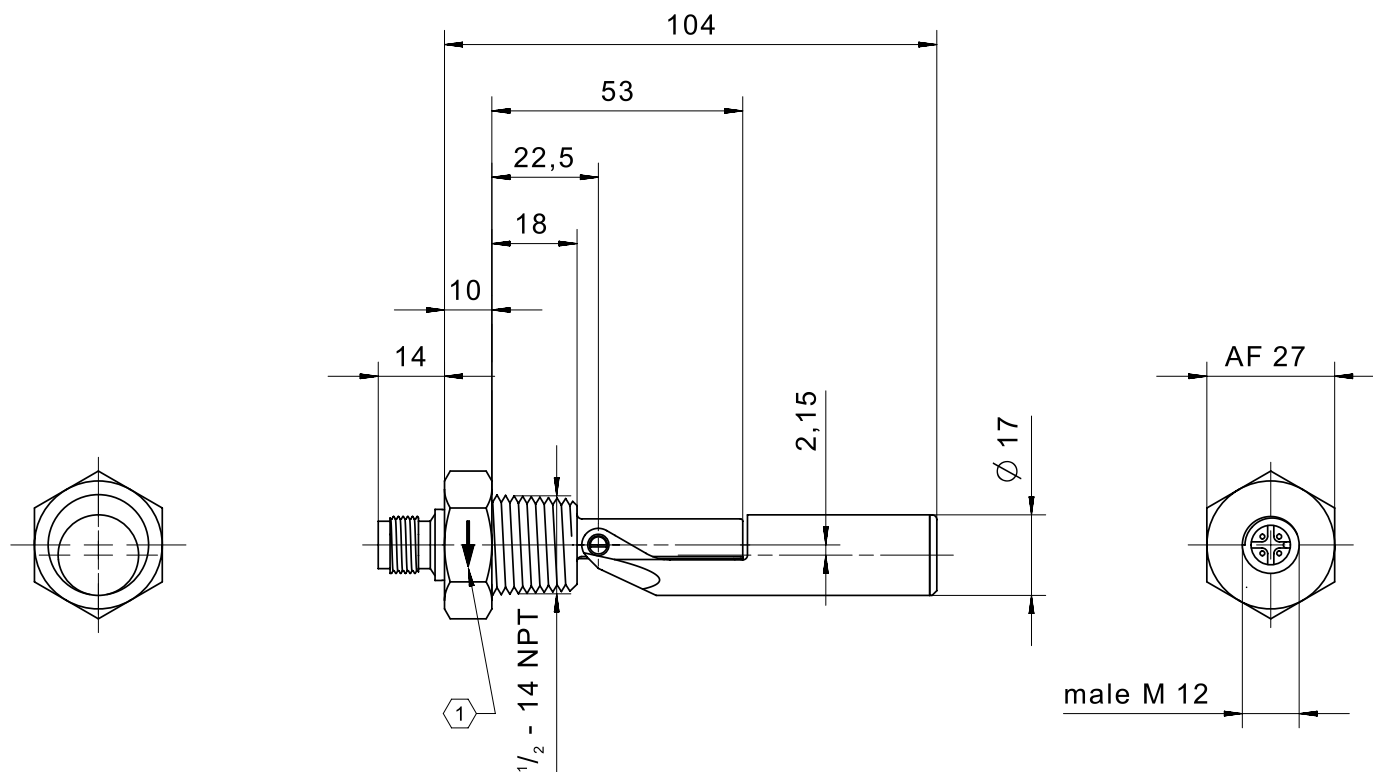


IMAGE 5/12





207KS14N05



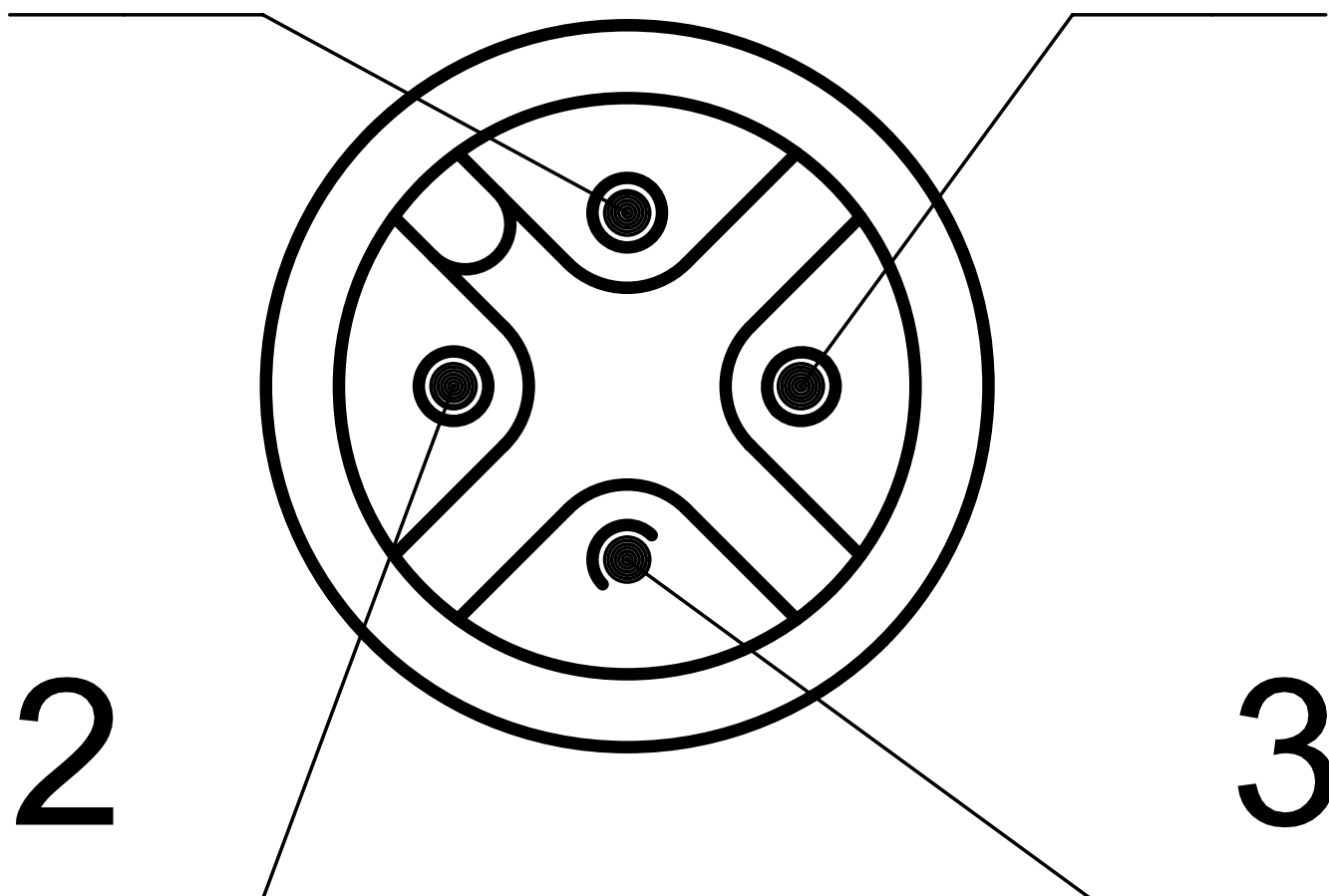
① marking for mounting position

IMAGE 8/12

# male M12

1

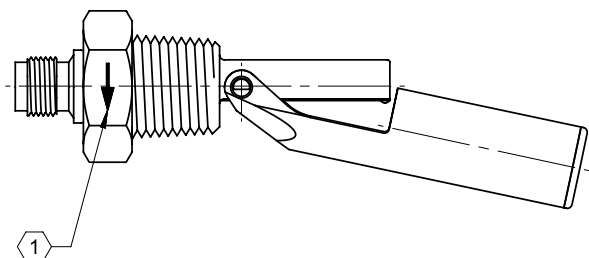
4



2

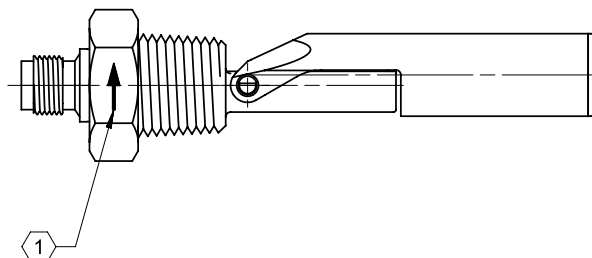
3

IMAGE 9/12



207KS14N05

3   1

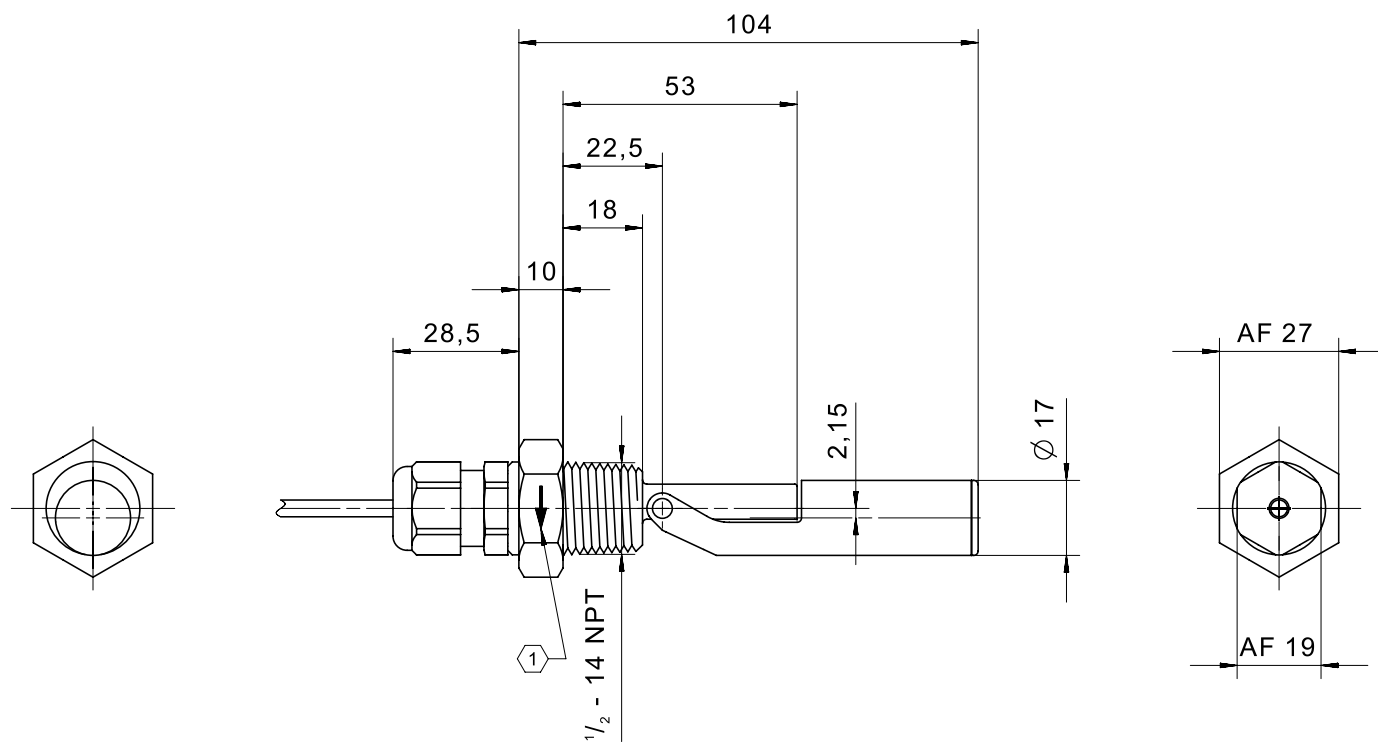


207KS14N05

3   1

IMAGE 10/12

207KS..M..



 marking for mounting position

IMAGE 11/12

# cable gland PA

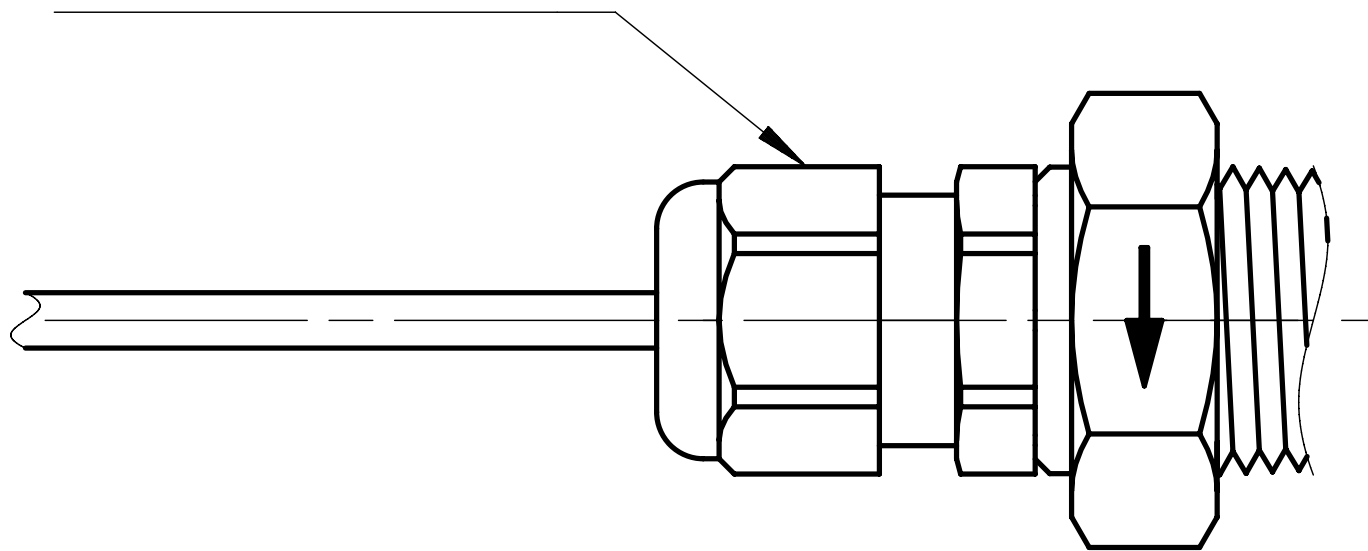
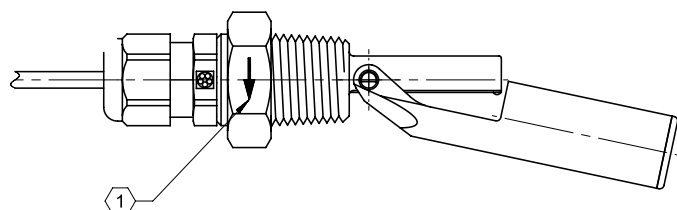


IMAGE 12/12

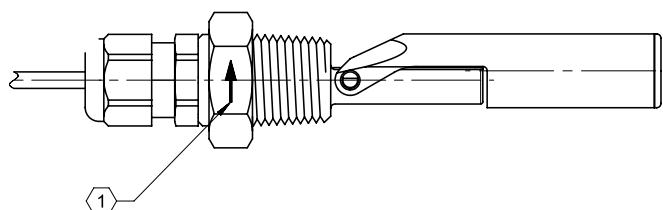


207KS0.M..  
207KS1.M..

BN ———— WH

207KS2.M..

BN ———— GN  
              WH



207KS0.M..  
207KS1.M..

BN ———— WH

207KS2.M..

BN ———— GN  
              WH

## Product options

IMAGE 1/1

### ORDERING KEY

| 207KS           |   |   |   |     | Float switch side mount, mechanical hinge                          |
|-----------------|---|---|---|-----|--------------------------------------------------------------------|
|                 |   |   |   |     |                                                                    |
|                 |   |   |   |     | <b>Contact form</b>                                                |
|                 | 1 |   |   |     | N.O./N.C. max. 250V                                                |
|                 | 2 |   |   |     | C.O. max. 48V                                                      |
|                 |   |   |   |     |                                                                    |
|                 |   |   |   |     | <b>Housing material</b>                                            |
|                 |   | 2 |   |     | PP                                                                 |
|                 |   | 4 |   |     | PA12                                                               |
|                 |   |   |   |     |                                                                    |
|                 |   |   |   |     | <b>Connections</b>                                                 |
|                 |   |   | D |     | Connection thread M16x2, cable connection 1m, compression grommet  |
|                 |   |   | M |     | Connection thread NPT 1/2, cable connection 1m, IP68               |
|                 |   |   | N |     | Connection thread NPT 1/2, cable connection 1m                     |
|                 |   |   |   |     |                                                                    |
|                 |   |   |   |     | <b>Other cable lengths*</b>                                        |
|                 |   |   |   | -3  | Cable length 3m                                                    |
|                 |   |   |   | -5  | Cable length 5m                                                    |
|                 |   |   |   | -10 | Cable length 10m                                                   |
|                 |   |   |   |     |                                                                    |
| <b>Variant:</b> |   |   |   |     |                                                                    |
| 207KS14N05      |   |   |   |     | Connection thread NPT 1/2, M12 connector, material PA12, N.O./N.C. |
| 207KS24N02      |   |   |   |     | Connection thread NPT 1/2, M12 connector, material PA12, C.O.      |

### Optional

More materials for housings, compression grommets, cable sheathing on request

## Características do artigo

| Attribute                          | 207KS12D            | 207KS12N      | 207KS14D            | 207KS14N      | 207KS14N05          | 207KS22D ▶ |
|------------------------------------|---------------------|---------------|---------------------|---------------|---------------------|------------|
| Max. switching voltage             | 250 V DC            |               |                     |               |                     | 48 V DC    |
| Max. switching voltage             | 250 V AC            |               |                     |               |                     | 48 V AC    |
| Max. switching current             | 1 A                 |               |                     |               |                     | 0.25 A     |
| Max. switching power               | 50 W                |               |                     |               |                     | 3 W        |
| Contact form                       | 1A or 1B            |               |                     |               |                     | 1C         |
| Output signal                      | digital             |               |                     |               |                     |            |
| Technology                         | Reed                |               |                     |               |                     |            |
| Float diameter                     | 17 mm               |               |                     |               |                     |            |
| Version                            | Mechanical hinge    |               |                     |               |                     |            |
| Housing material                   | PP                  |               | PA12                |               |                     | PP         |
| Float material                     | PP                  |               | PA12                |               |                     | PP         |
| Cable material                     | PVC                 |               |                     |               | -                   | PVC        |
| Operating temperature min.         | -25 °C              |               |                     |               |                     |            |
| Max. operating temperature         | 105 °C              |               |                     |               |                     |            |
| Pressure resistance                | 3 bar               |               |                     |               |                     |            |
| Protection class outside container | IP67 DIN EN 60529   |               |                     |               |                     |            |
| Protection class inside container  | IP68 DIN EN 60529   |               |                     |               |                     |            |
| Mounting type                      | Compression grommet | Thread        | Compression grommet | Thread        | Compression grommet |            |
| Thread                             | -                   | G 1/2 - 14NPT | -                   | G 1/2 - 14NPT | -                   |            |
| Installation opening               | D22-23              | G 1/2 - 14NPT | D22-23              | G 1/2 - 14NPT | D22-23              |            |
| Connector type                     | -                   |               |                     |               | M12                 | -          |
| Cable length                       | 1 m                 |               |                     |               | -                   | 1 m        |

| Attribute                          | 207KS22N          | 207KS24D            | 207KS24N      |
|------------------------------------|-------------------|---------------------|---------------|
| Max. switching voltage             | 48 V DC           |                     |               |
| Max. switching voltage             | 48 V AC           |                     |               |
| Max. switching current             | 0.25 A            |                     |               |
| Max. switching power               | 3 W               |                     |               |
| Contact form                       | 1C                |                     |               |
| Output signal                      | digital           |                     |               |
| Technology                         | Reed              |                     |               |
| Float diameter                     | 17 mm             |                     |               |
| Version                            | Mechanical hinge  |                     |               |
| Housing material                   | PP                | PA12                |               |
| Float material                     | PP                | PA12                |               |
| Cable material                     | PVC               |                     |               |
| Operating temperature min.         | -25 °C            |                     |               |
| Max. operating temperature         | 105 °C            |                     |               |
| Pressure resistance                | 3 bar             |                     |               |
| Protection class outside container | IP67 DIN EN 60529 |                     |               |
| Protection class inside container  | IP68 DIN EN 60529 |                     |               |
| Mounting type                      | Thread            | Compression grommet | Thread        |
| Thread                             | G 1/2 - 14NPT     | -                   | G 1/2 - 14NPT |
| Installation opening               | G 1/2 - 14NPT     | D22-23              | G 1/2 - 14NPT |
| Connector type                     | -                 |                     |               |
| Cable length                       | 1 m               |                     |               |